

Equine Genetic Testing Report



Submitted By
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Subject Horse

Date Received: 5/22/2021

Horse Name: Picantes Mirage Breed: Quarter Horse Phenotype: Cremello Sex: Mare	Lab Reference #: 00153059 Registration: 5192596 Birth: 2009
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Sire	Dam
Sire Name: AST Picante Breed: Quarter Horse Registration: 4294266 Phenotype:	Dam Name: Run Out Poco Pep Breed: Quarter Horse Registration: 4272699 Phenotype:

Coat Color and Pattern Testing

<input checked="" type="checkbox"/>	Tobiano	nn	Negative for Tobiano.
<input checked="" type="checkbox"/>	Frame Overo	nn	Negative for Frame Overo (LWO).
<input checked="" type="checkbox"/>	Sabino 1	nn	Negative for the Sabino 1 gene.
<input checked="" type="checkbox"/>	Splashed White 1	nn	Negative for the Splashed White SW1 mutation.
<input checked="" type="checkbox"/>	Splashed White 2	nn	Negative for the Splashed White SW2 mutation.
<input checked="" type="checkbox"/>	Splashed White 3	nn	Negative for the Splashed White SW3 mutation.
<input checked="" type="checkbox"/>	Appaloosa (LP)	lp/lp	Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB.
<input checked="" type="checkbox"/>	PATN1	n/PATN1	Heterozygous: Horse carries one copy of the PATN-1 gene mutation.
<input checked="" type="checkbox"/>	Red/Black Factor	ee	Homozygous Red. Horse carries two copies of the Red gene. Horse has a red base pigment.
<input checked="" type="checkbox"/>	Agouti	aa	Non-Agouti. If horse is black based E, black pigment will be evenly distributed.
<input checked="" type="checkbox"/>	Cream Dilution	CrCr	Homozygous. Double dilute. Horse carries two copies of the Cream Dilution gene.
<input checked="" type="checkbox"/>	Dun Dilution	nd1/nd2	1 copy of nd1 and 1 copy of nd2. Horse is not Dun diluted. Varying levels of primitive markings possible.
<input checked="" type="checkbox"/>	Silver Dilution	nn	Negative for Silver Dilution.
<input checked="" type="checkbox"/>	Champagne	nn	Negative for Champagne Dilution.
<input checked="" type="checkbox"/>	Pearl Dilution	nn	Negative for Pearl Dilution.
	Gray		Not Tested

Additional Comments

None

Genetic Disorders

<input checked="" type="checkbox"/>	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
<input checked="" type="checkbox"/>	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
<input checked="" type="checkbox"/>	GBED	N/N	Clear: Negative for the GBED gene mutation.
<input checked="" type="checkbox"/>	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
<input checked="" type="checkbox"/>	IMM	N/N	Horse tested negative for the mutation associated with IMM.
<input checked="" type="checkbox"/>	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
	FIS		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	OAAM1		Not Tested
	WFFS1		Not Tested

Genetic Marker Results

Run Date: Not Tested

-	-	-	-	-	-	-
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
-	-	-	-	-	-	-
VHL20	UM011	HMS1	HMS2	HTG6	HTG7	